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*Catalog of the Library
of the
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Wentworth

ROYAL ASTRONOMICAL

SOCIETY

1851

London

Printed

CATALOGUE

OF THE

LIBRARY

OF THE

ROYAL ASTRONOMICAL
SOCIETY.

NOVEMBER, 1850.

London.

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NOTICE.

THE Library of the Royal Astronomical Society consists, 1^o. of the books presented to it from time to time, by Fellows and others, the list of which, especially among the serials, exhibits the defects incident to such a mode of collection: 2^o. of the Library formed since 1717 by the Mathematical Society of Spitalfields, which was transferred to this Society in 1845.

As the main object of the present impression is to give a key to the contents of the Library, the descriptions hold a medium between the conciseness of a bookseller's list, and the amplitude of *full Titles*. It is found that often one half of a Title may be omitted, without lessening the knowledge it affords of the work. On the other hand, a few words are occasionally added [between brackets] when *material* information can thus be given.

Cross references to a considerable extent are employed. With regard to the *Connaissance des Temps*, the whole are given as originally prepared, although (in consequence of its great extent) the list of "Additions" is printed from 1823 only, referring the inquirer for the earlier papers to the Tables of contents in the vols. for 1806 and 1822.

London is to be assumed as the place of publication of English works, not otherwise stated.

The Society is indebted to Lieut. Stratford, for much of the preliminary labour connected with the Mathematical Society's library: (see Report of the Council, 1846). Those books are here distinguished by an *asterisk*, following the date. A double mark, denotes duplicate copies; one of which, generally but not invariably, belonged to the collection last referred to.

With regard to the defects alluded to above, the appeal made on the publication of the former Catalogue is still valid, since in numerous cases, the desiderata are of a kind not likely to be supplied except by the individual attention of the Fellows and Associates of this Society.

Lewes, Nov. 1850.

J. W. W.

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- Abbatt (Rich.) Elements of Plane and Spherical Trigonometry, and its application to Astronomy, Dialling, and Trigonometrical Surveying, 8° 1832.
- Abo. Observationes Astronomicæ in Speculâ Universitatis litterariæ Fennicæ factæ; auctore F. W. Argelander, Tom II. A° 1826, 1827, fol. *Helsingf.* 1831.
- Academy.—Essays of Natural Experiments made in the “Academia del Cimento,” translated by R. Waller, 4° 1684.*
- Académie Royale des Sciences.—Histoire et Mémoires de Mathématique et de Physique, 1692—1757, 108 vols. 12° *Amst.* 1723-69.*
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- Table generale des matières.....
1699—1751, 4 vols. 12° *Amst.* 1751.*
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- Comptes-rendus hebdomadaires, par
les Secretaires perpetuels, 4° *Paris, V. Y.*
- | | | | | | |
|---------|------|---------|------|---------|------|
| Tome 1, | 1835 | 10, 11, | 1840 | 20, 21, | 1845 |
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| 8, 9, | 1839 | 18, 19, | 1844 | 28, | 1849 |
- Accum (Fred.) Elements of Crystallography, after the method of Haüy, 8° 1813.*
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- System of Theoretical and Practical Chemistry,
2 vols. 8° 1803.*
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- Practical Treatise on Gas Light, 8° 1815.*
-
- Treatise on the Art of Brewing, 12° 1820.*
- Adams (Geo.) Essay on Electricity; to which is added, an Essay on Magnetism, 8° 1784.*
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- Essays on the Microscope; a practical description of the most improved Microscopes, and a general history of Insects, 4°, plates in fol. 1787.*
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- Astronomical and Geographical Essays, 8° 1790.*
-
- Lectures on Natural and Experimental Philosophy,
5 vols. 8° 1794—99.*

- Adams (Geo.)** Geometrical and Graphical Essays; description of the Mathematical Instruments used in Geometry, civil and military Surveying, Levelling, and Perspective, with many new practical problems: enlarged by W. Jones, 8° and plates 4° 1797.*
- Adams (John)** Mathematician's Companion; a table of Logarithms to 10860, also the log. Sines, Tangents, and Secants, to every Minute; and the Sines and Tangents to 180°, 8° 1782.*
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- Extracts from a Meteorological Journal kept at Edmonton, Middlesex, 8° 1814.*
- Adams (John),** *vide* Juan (George.)
- Adams (Jno. C.)** Explanation of the observed irregularities in the motion of Uranus, on the hypothesis of disturbances caused by a more distant Planet; with a determination of the mass orbit and position of the disturbing body, 8° 1846.
[Appendix to Nautical Almanac for 1851.]
- Agnesi (Maria Gaetana)** Analytical Institutions, in four books; translated from the Italian, by Rev. John Colson, edited by Rev. John Hellins, 2 vols. 4° 1801.*
- Agnew (H. C.)** Letter from Alexandria on the Evidence of the practical application of the quadrature of the Circle, in the Configuration of the great Pyramids of Gizeh, 4° 1838.
- Aimé ()** Mémoire sur les variations de niveau de la Méditerranée 8° *Paris*.
[Extrait des annales de Chimie, 3rd Serie, T. XII.]
- Ainsworth (Rob.)** Latin Dictionary, edited by Morell and Carey, 4° 1823.*
- Aikin (A. and C. R.)** Dictionary of Chemistry and Mineralogy; and an account of the Processes employed in Chemical Manufactures: [with an appendix.] 3 vols. 4° 1807—1814.*
- Aikin (Arthur)** Manual of Mineralogy, 8° 1814.**
- Ainslie (John)** Treatise on Land Surveying;...edited by Galbraith, embracing railway, military, marine and geodetical Surveying, 8° and plates 4° *Edinb. and London*, 1849.
- Airy (Geo. Biddell.)** On the Longitude of the Cambridge Observatory. [Ext. from Trans. Camb. Phil. Soc.] 4° *Cambridge*, 1828.
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- Mathematical Tracts on Lunar and Planetary Theories, figure of the Earth, Precession and Nutation, Calculus of Variations, and Undulatory Theory of Optics, 8° *Camb.* 1831.
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- Gravitation: an elementary explanation of the principal perturbations in the Solar System, 8° 1834.
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- Account of experiments on iron-built Ships, instituted for discovering a correction for the deviation of the Compass, 4° 1839.
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- Account of the Northumberland Equatoreal and Dome, attached to the Cambridge Observatory, 4° *Camb.* 1844.
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- On Tides and Waves. [From the Encyclopædia Metropolitana,] 4° *circa* 1844.

Airy (G. B.) On the Law of the Tides on the Coasts of Ireland,
4° 1845.

————— *vide* Cambridge Obs.—Encke's Comet,—Greenwich
Obs.,—Groombridge.—Nautical Almanac.

Albéri (Eug.) Littera al Padre Giovanni Inghirami. *Florence*, 1843.

————— Littera da Vincenzio Antinori al Giovanni Plana, regio
Astronomo a Torino. *Florence*, 1843.

————— De Galilei Galilei circa Jovis Satellites lucubrationibus
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————— Ultime parole in materia dei lavòri Galileiani sui satelliti
di Giove, 8° *Bologna*, 1843.

————— Risposta ad litera dell'abate Pietro Pillori sul preteso
ritrovamento delle Effemeride Galileiani, 8° *Marsilia*, 1844.

Aldini (John) Account of the late improvements in Galvanism, with
a series of Experiments, 4° 1803.*

[Allen, Wm.] Companion to the Transit Instrument; containing the
R. A. and Decl. of Stars, from the 1st to the 4th Mag., with the
most interesting double Stars, 8° 1815.*

Alexander (John) Synopsis of Algebra, translated by Sam. Cobb;
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Algebra—Elements of, for the use of Students in Universities..with
an appendix, 8° *Edinburgh*, 1789.*

Alhazen—Opticæ Thesaurus; libri septem: Ejusdem liber de Crepusculis
et Nubium ascensionibus..Translated by F. Risner, fol.
Basle, 1572.*

Almanacs—*vide Ephemerides*.

Amante Fidele—Sulle formole da usarsi ne' calcoli geodetici per la
riduzione degli angoli all' orizzonte. [Memoria,—Accad. delle
Scienze di Napoli, 4° 1834.]

America—An account of the European Settlements: in 6 parts,
2 vols. 8° 1757.*

American Academy of Arts and Sciences—Memoirs of the, vol. I, and
vol. II, part I, 4° *Boston*, 1785—93.*

————— Memoirs of the, new series,
vol. I.—III., 4° *Cambridge, U. S.*, 1833—48.

————— Proceedings of the, vol. 1,
May, 1846—1848, 8° *Boston and Cambridge*, 1848.

American Philosophical Society—(Philadelphia,) Transactions,

Old Series,* 6 vols. 4to, *Philad.* 1798—1809.

New Series,* I 1818 V 1834—37 IX 1844—46

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————— Proceedings, various Nos. 8°
1840—48.

————— Catalogue of Library 8° *Philad.* 1824.

- Amici (Vincenzo) Sul problema dell' Equilibrio delle Volte: Memoria coronata della Società Italiana, 4° *Modena*, 1833.*
- Amici (Gio. Batt.) Descrizione di alcuni Istrumenti da misurare gli angoli per riflessione, 4° *Modena*, 1836.*
- Ammonius Saccas.—*vide* Dehaut.
- Ampère (And. Marie) Théorie des Phénomènes electro-dynamiques, uniquement déduite de l'expérience, 4° *Paris*, 1826.*
- Analyst Controversy—(I.) The Analyst, or a discourse addressed to an infidel Mathematician....by the Author of the "Minute Philosopher." [Berkeley]: 8° 1734.*
- (II.) Geometry no friend to Infidelity; or a defence of Sir Isaac Newton and the British Mathematicians. In a letter to the Author of the Analyst, by Philalethes Cantabrigiensis, [Jurin] 8° 1734.*
- (III.) A defence of Free-thinking in Mathematics, in answer to Phil. Cantab. (II)....Also an appendix concerning Mr. Walton's vindication of the Principles of Fluxions.by the Author of the Minute Philosopher, 8° 1735.*
- (IV.) The Minute Mathematician, or the Free Thinker no Just Thinker; set forth in a second letter to the Author of the Analyst, by Phil. Cantab., 8° 1735.*
- (V.) Robins (Benj.) Discourse concerning the nature and certainty of Sir Isaac Newton's methods of Fluxions, and of Prime and Ultimate Ratios, 8° 1735.*
- (VI.) Review of. A discourse, &c., (V.) 8°
(Republick of Letters for October, 1735, art, 15.) *
- (VII.) Review of objections to the Doctrines of Fluxions and Ultimate Proportions; with remarks on the methods taken to obviate them, [Robins]
(Republick of letters for December, 1735, art. 26,) 8° *
- (VIII.) Considerations occasioned by a Paper, &c., (VII.) by Phil. Cantab.
(Republic of letters for Jan., 1736, art. 5,) 8° *
- (IX.) Robins (Benj.) Dissertation shewing that the account, &c., (V.) is agreeable to the real sense and meaning of the great inventor,
(Republick of letters for April, 1736, art. 21,) 8° *
- (X.) Considerations upon some passages of a Dissertation, &c., (IX.) by Phil. Cantab.
(Republick of letters for July, 1736, art. 5, and for Aug., art. 6,) 8° *
- (XI.) Appendix to the "present state of the Republick of Letters for September, 1736," being remarks on (X.) to which added, by Dr. Pemberton, a Postscript occasioned by a passage therein, 8°
- (XII.) Appendix to the "present state of the Republick

- of Letters for Nov., 1736." Being observations upon
(XXI.) by Phil. Cantab. 8° *
- (XIII.) Robins (Benj.) Advertisement,
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- (XIV.) Appendix to the "present state of the Republick
of Letters for December, 1736," containing a reply to
(XIII.) and also to a postscript of Dr. Pemberton, (XI.)
by Phil. Cantab. *
- (XV.) Introduction to the Doctrine of Fluxions and defence
of the Mathematicians against the objections of the
author of the Analyst, so far as they are designed to affect
their general methods of reasoning, [Bayes,] 8° 1736.*
- (XVI.) Pemberton (Dr.) Observations on the misrepresen-
tations of him published in the "History of the
works of the Learned for the last month.
(Works of the learned for April, 1737, art. 24,) 8° *
- (XVII.) Pemberton (Dr.) Observations on the "Appendix to
the state of the Republick of Letters" for December, 1736.
(Works of the learned for Feb., 1737, art. 13.) 8° *
- (XVIII.) Contents of Dr. Pemberton's Observations pub-
lished last month [at the end.] A full reply to Dr.
Pemberton's Observations published last month, by Phil.
Cantab.
(Works of the learned for March, 1739, art. 18) *
- (XIX.) Reply to Dr. Pemberton's Observations (XVI.) by
Phil. Cantab.
(Works of the learned for May, 1727, art. 31.) 8° *
- (XX.) Pemberton, (Dr.) Observations on Philalethes' Reply
(XIX.)
(Works of the learned for June, 1737, art. 36.) 8° *
- (XXI.) Reply to Dr. Pemberton's Observations (XX.) by Phil.
Cantab.
(Works of the learned for July 1737, art. 7.) *
- (XXII.) Pemberton, (Dr,) Observations on Philalethes' Reply
(XXI.)
(Works of the learned for August, 1787, art. 12) *
- (XXIII.) Conclusion and Postscript to the last reply of Phil.
Cantab. to Dr. Pemberton (XXI.)
(Works of the learned for September, 1737, art. 22,) [reprint.] *
- (XXIV.) Pemberton (Dr.) Answer to the two questions put
by Phil. Cantab. (XXIII.)
(Works of the learned for Oct., 1737, art. 25.) *
- (XXV.) Smith, (James) New Treatise of Fluxions, 8° 1737. *
- (XXVI.) Explanation of Fluxions, in a short Essay on the
Theory, 8° 1741.*
- Anderson (Robert) The genuine use and effects of the Gunne, experi-

- mentally and mathematically demonstrated. T. Streete's Tables of Projection, &c., exactly calculated, and their use exemplified, 4° 1673.*
- To hit a mark, as well upon ascents and descents as upon the plain of the horizon, experimentally and mathematically demonstrated, 4° 1690.*
- To cut the rigging, and proposals for the improvement of great Artillery, 4° 1691.*
- Andrews (—) *vide Connaissance des Temps.*
- Angström (J. A.)—*vide Lamont.*
- Annely (Bernard) Theory of the Winds; shewing by a new Hypothesis, the physical causes of all winds in general, with the solution of all the variety and phenomena thereof, 8° 1729.
- Anonymous. Æolus—A retrospect of the weather of the twelve months past 1844, and a prognostication for that of the coming, 1845, 8° 1845.
- New Analogy for determining the distances of the Planets from the Sun, and of the Satellites from their Primaries, 12° 1842.
- Exposition of the nature, force, action, and other properties of Gravitation, on the Planets; and of the efficient causes of the relations between their velocities, periodic times, mean distances from the Sun, and the forces of Gravitation, 12° 1842.
- Theory of the structure of the Sidereal Heavens, 4° 1842.
- Botanist's Calendar, and Pocket Flora, 2 vols. 12° 1797.*
- La France Littéraire, Nouvelle Serie, 10me. Livraison, 8° Paris, 1837.
- Museum of Mankind, parts 1 and 2, 8° 1842.
- Method of computing the observation of an Eclipse of the Sun or of an occultation of a Star, with a view of correcting terrestrial longitudes; followed by numerical applications, 12° Baltimore, 1835.
- The Stars and the Earth; or thoughts on Space, Time, and Eternity, 12° 1846.
- Thoughts on the properties and formation of the different kinds of Air, 8° 1785.*
- Thoughts on general Gravitation; and views thence arising as to the state of the Universe, 4° 1777.
- Vestiges of the Natural History of Creation, 8° 1844.
- Anquetil (J. P.) Questions sur l'Astronomie, suivies de la proposition d'un nouveau Système, 8° Paris, 1833.
- Anson—*vide Walter.*
- Antinori (Vinc.)—*vide Alberi.*
- Apianus (P.) Astronomicum Cæsareum: ejusdem Meteoroscopium planum; observationes Cometarum quinque; et compositio Torqueti fol. Ingoldstadt, 1540.
- Apollodorus—*vide Thevenot.*
- Apollonius Pergæus, De sectione Rationis, libri duo, ex arabico M.S°

- Latiné versi. Accedunt ejusdem de sectione Spatii, libri duo restituti. . Operâ et studio Edmundi Halley, 8° *Oxford*, 1706.*
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- Conicorum Libri octo; et Sereni Antissensis de sectione cylindri et coni, Libri duo, fol. *Oxford*, 1710.
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- Inclinationum Libri duo; restituebat Sam. Horsley 4° *Oxford*, 1770.*
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- vide Burron, Lawson, Simson, Snellius, Viviani.*
- Arago (F. J. D.) Rapport fait à l'Académie, sur un Memoire de M. Fresnel relatif aux couleurs des lames cristallisées douées de la double réfraction. [Annales de Chimie, &c.] 8° *Paris*, 1821.
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- Eloge historique du Docteur Thomas Young, 4°
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- vide Biot; Paris Obs.: Connaissance des Temps.*
- Aratus—*vide Zieglerus.*
- Arbogast (L. F. A.) Du calcul des Derivations, fol. *Strasbourg*, 1800.*
- Archæographia; The scriptural Principles of the history and chronology of the Jewish Theocracy, or Commonwealth. (Fraser's Mag., May 1836,) 8° 1836.
- Archimedes,—*vide Rigaud, Tacquet.*
- Argelander (F. W. A.) Untersuchungen über die Bahn des grossen Cometen vom Jahre 1811, 4° *Königsb.* 1822.
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- De observationibus Astronomicis a Flamsteedio institutis: dissertatio academica, 4° *Regiomonti*, 1822.
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- DLX Stellarum Fixarum positiones mediæ ineunte Anno 1830. Ex Observationibus Aboæ habitis, 4° *Helsingf.*, 1835.
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- De fide Uranometriæ Bayeri.—dissertatio Academica, 4° *Bonn*, 1842.
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- Uranometria nova; Stellæ per mediam Europam solis oculis conspicuæ, secundum veras lucis magnitudines e cœlo ipso descriptæ, 8° maps in small fol. *Berlin*, 1843.
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- De Stella β Lyrae variabili: disquisitio academica, 4° *Bonn*, 1843.
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- Arithmetic (Six Lectures on); containing a familiar explanation of the principles and rationale of the general rules, 12° 1842
- Armagh, Astronomical Observations made at the Observatory of, vol. I. in 3 parts, 1828—30. See also, Robinson, 4° V. Y.
- Armenia—*vide Chamich.*
- Arminski — *vide Connaissance des Temps.*
- Arnold (J.) Explanation of Time-keepers constructed by him. (Delivered to the Board of Longitude, 1805.)
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- Questions proposed by the Board of Longitude to Mr. Arnold, Jun. relative to his Father's Time-keeper, with his answers, 4° 1806.
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Arnott (Neil) Elements of Physics; or Natural Philosophy, general and medical, written for universal use, in plain or nontechnical language, 8° vol. 1, and vol. 2 part 1. 1827—29.*

———— (Another edition) revised and corrected from the last English edition, with additions, by Isaac Hays, M.D. 8° Philadelphia, 1841.

Ashby (S.) Young Analyst's Exercise, 8° 1737.*

Asiatic Researches; or Transactions of the Society instituted in Bengal for enquiring into the History and Antiquities, the Arts, Sciences, and Literature of Asia, vols. 1, 2, 3, 4, 5, reprint in 8° 1799.

IV.	1795	XI.	1810	XVII.	1832
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4° Asiatic Society (Royal) Transactions, vols. 1—3. 4° Calcutta, V. Y. 1827—35.

———— Regulations; List of Members; Catalogue of Library; and Report on the Oriental Translation Fund, (in 1 vol.) 4° 1823—30.

———— Proceedings, in various Nos., 8° 1833—36.

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8° Journal of the Bombay Branch, Nos. 3, 4, 5, 6, 11, 8° V. Y. 1842—48.

———— Catalogue of the Chinese Library, by the Rev. J. S. Kidd, 8° 1838.

———— Proceedings of the Committee of Commerce and Agriculture, 8° 1837—38—39—41.

Assas—(Montdardier Comte d') *vide Connaissance des Temps*.

Astronomical Observations, made at fixed Observatories.

(see the respective places :—)

Abo, by Argelander.	Edinburgh, Henderson.	Modena, Bianchi.
Armagh, Robinson.	Geneva, Plantamour.	Munich, Soldner, Lamont.
Berlin, Encke.	Gottingen, Mayer.	Naples, Bioschi, &c.
Bonn, Argelander.	Greenwich, {	Palermo, Piazzzi, Cacciatore
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Astronomical Society, A printed Circular, dated London, Jan. 12, 1820, relating to its establishment.

First address of the Astronomical Society, issued January, 1820, 8°

Regulations; with an address prefixed, explanatory of its views and objects, 12° 1820.

Address and Regulations of the—, with the Report of the Annual General Meeting, 8° 1821.

Plan for a minute survey of the Heavens, and the publication of new Celestial Charts, under the superintendence of the Royal Academy of Sciences at Berlin, 8° 1826.

Report of Committee upon the Telescope constructed by Mr. Tulley, 8° 1826.

Charter and Bye-laws, 12° 1831.

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Catalogue of 2881 principal Fixed Stars, with new Tables for facilitating the computation of Precession, Aberration, and Nutation: to which is prefixed an Introduction, explanatory of their construction and application, by F. Baily, 4° 1827.

Index to the Catalogue, by Lieut. Stratford, 4° 1831.

The Catalogue and Index form also part of the Memoirs, vols. II. and V. See also, the Original Computations for the Catalogue, and Willey's Index, MS.

Monthly Notices, containing Abstracts of Papers, and Reports of Proceedings, 8°

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Astronomical Instrument, (Description and use of a new) for taking Altitudes of the Sun and Stars at sea without an Horizon, 4° 1735.

Astronomische Nachrichten, herausgegeben von H. C. Schumacher, 4° Altona, V. Y.

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- Athenæum Club—Catalogue of the Library of the, 4° 1845.
 ——— also, Rules and Regulations, and Annual Reports.
- Athenæum (*vide Journals*)
- Athenæus—*vide Thevenot*.
- Atkins and Co.—Essay on the relation between the specific Gravities and the strengths and values of Spirituous Liquors, 4° 1803.*
- Atkinson (James) Epitome of the art of Navigation, 8° 1753.*
- Atkinson (Henry) New method of extracting the Roots of Equations, 4° (Lit. and Philos. Soc. of Newcastle upon Tyne, 1809,) (*dupl.*)
 Newcastle, 1831.*
- Atwood (Geo.) Treatise on the rectilinear Motion and rotation of Bodies, with original Experiments, 8° Cambridge, 1784.*
- Analysis of a course of Lectures on the Principles of Natural Philosophy, 8° 1784.
- Essay on the Arithmetic of Factors, applied to various computations which occur in the practice of numbers, 4° 1786.*
- Dissertation on the construction and properties of Arches, 4° 1801.*
- Avdall (J.)—*vide Chamich*.
- D'Avezac—*vide Connaissance des Temps*.
- Ayshford (Henry H.) Tabular views of the anatomy of the human body, obl. fol. 1810.*
- Azemar (L. P. V. M.) and Garnier (J. G.) Trisection de l'Angle; suivie de Recherches analytiques sur le même sujet, 8° Paris, 1809*
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Hydro-Pneumatic Lock, 4° 1814.*

Connaissance des Temps.—Ou des Mouvemens Celestes, (annual)
1762—5, 69, 71, 73; 1811—51, (wanting 1842)—8° *Paris, V. Y.*

An Index to the Additions contained in the C. d. T. from 1760 to 1805 is annexed to the Vol. for 1806, (an xiv) and a similar one thence to 1822 is given in the Vol. for the latter year. The following is a brief List of the more recent "Additions."

1823. On Lunar inequalities due to the compression of the Earth; on perfecting the Lunar Theory and Tables; and on the Lunar inequality of long period; with further elucidations, by LAPLACE. Formulæ for connecting the latitudes and longitudes in a chain of triangles, with a certain value of terrestrial compression, by PUISSANT. On the decrease of the length of day by diminution of temperature, with supplement, by LAPLACE. Elliptic elements of the Comet of 1818, by ENCKE. Geographical Positions in the Archipelago, 1818—9, by GAUTIER. On the mean density of the Earth, by LAPLACE. Addition to memoir on the Moon's libration, C. d. T. 1822. by NICOLLET.
1824. On the variation of elliptic elements, and on lunar inequalities of long period, by LAPLACE. On the Moon's motion, and the equation of long period, by BURCKHARDT. On the determination of Orbits of Comets, by LAPLACE. On orbit of 2nd comet of 1805. by BOUVARD. Positions in the Black Sea, &c., (1820), by GAUTIER. On attraction of spheres, and repulsion of elastic fluids, by LAPLACE. Formulæ of Moon's longitude, latitude, and parallax, from theory of gravity alone, by DAMOISEAU. Trigonometrical operations between Corsica, Elba and Tuscany, by PUISSANT. Obs. of the Comet of Nov. 1819, at observatory of Paris. On the Comet of 1821, by NICOLLET.
1825. Theory of elastic fluids, and application to velocity of sound; with two supplements, by LAPLACE. Account of exp. on acceleration of the pendulum, by SABINE. Summary of Bar. Roussin's hydrographic operations, 1819—20, by GIVRY. On the diff. of longitudes between Paris and Greenwich, by BOUVARD. Result of experiments on the velocity of sound, by ARAGO. On said velocity, by LAPLACE. On Littrow's method of latitudes by means of the Pole-star, &c, by PUISSANT. Method of expressing the planetary elliptic co-ordinates, by POISSON.
- 1823-5. Mural and Transit obs. at the Observatory of Paris.
1826. Summary of obs. at Marseilles, 1820—2, by GAMBART jun. On the effect of change of surrounding temperature upon an homogeneous Ring, also on the velocity of Sound, by POISSON. Comets obs. in 1822, at Paris. Comparative pendulum experiments at the Malouines and N. Holland, by MATHIEU. Lunar action on the Atmosphere, by LAPLACE. Calculation of azimuths obs. with a repeating Theodolite, by PUISSANT.
1827. On the periodic comet of 1819, by DAMOISEAU. Report on Damoiseau's memoir on perturbations of short-period Comet. Determination of compression of an osculating spheroid, by meridional and parallel arcs, by PUISSANT. On Variation of obl. eclipt. and precession of equinoxes, by LAPLACE. Elucidation of Lartigue's geogr. pos. 1821—23, by GIVRY. Astr. obs. at Marseilles, 1823, and of the Comet of that year, by GAMBART jun. On the probability of mean results from observations; and on temperature of points of the earth's surface, by POISSON. On depression of horizon at sea; table of variation and dip of needle observed on land; magnetic and pendulum obs. in Parry's 1st voyage; isolation of needle on board a ship;—the "Pilote Français"; adjustment of triple object glass; French geodetic operations in Italy; (notices, by ARAGO.)
1828. On determining terrestrial long. by azimuths; and supplement; by PUISSANT. Cat. of southern Stars, by FALLOWS. Report on Duperrey's voyage of discovery, 1822—5, by ARAGO. Astr. obs. at Marseilles, 1824, by GAMBART. On Damoiseau's Lunar Tables. On multiple stars, by ARAGO. On the developement of the expression denoting the mutual distances of two planets, and of the elliptic radius vector, by LAPLACE. Problem on terrestrial magnetism, by POISSON.

1829. Tables for terrestrial latitudes and azimuths, by Pole-star obs: by PUISSANT. Report on Puissant's paper on determining the figure of the Earth, by MATHIEU. On the two great inequalities of Jupiter and Saturn; and on several points of celestial mechanics, by LAPLACE. On the measures of a parallel arc, midway between the pole and the equator, by BROUSSEAUD AND NICOLLET. Calculation from eclipse observed in 1768, by De Breauté. On eliminating the capillarity of barometers, by LAPLACE. Tables of capillarity, by BOUVARD. On the determined precession of the equinoxes, as affected by the Konigsburg catalogue, by *Bessel*, and notes thereon, by MATHIEU. On the Orbit of the Comet of 1825, by GAMBART. On the attraction of Spheroids, by POISSON.
1830. On tides in the lunar atmosphere, by LAPLACE. Funeral oration on Laplace, by POISSON. Extract from Poisson on motion of the Earth round its centre of gravity. Table for differences of level of primary trigonometrical points, by PUISSANT. On the long. of Manilla, by DAUSSY. On the comet of 6.7 years, by DAMOISEAU. On the orbits of two close stars round their centre of gravity, by SAVARY. On measuring azimuths in geodetic operations, with a particular application, by BIOT, sen. and jun. On Duperrey's exp. with invar. pendulum: and summary of his obs. on dip and variat. of needle. Obs. at Marseilles, in 1825, by GAMBART. Summary of hydrogr. operations 1819—20, by GIVRY. Additional note on double stars, by SAVARY. On geogr. operations in 1822—5, by DUPERREY. On the comet of 3.3 years, by Damoiseau.
1831. Summary of hydrographical operations on the coast of Africa, 1826—7, by PREDOUR. Table for terrestrial azimuths, by deviations of the Pole-star, by PUISSANT. On several points of celestial mechanics, and appendix; also on attraction of spheroids, (add. to 1829,) by POISSON. Recalculation of latitudes of Montjouy and Barcelona, (Base du Syst. Metr.) by NICOLLET. Geographical positions of Malta. &c., by DAUSSY. On calculation of achromatic object-glasses, by LITTELOW. On the determination of the parallax and proper motion of stars by artificial occultations, by D'ASSAS MONTDARDIER. Report on the same, by DELAMBRE. On Bessel's corrections of the Solar Tables.
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1833. On the influence of two proximate pendulums, and on that of Borda; by POISSON. Sequel on spheroidal trigonometry, (1832) by PUISSANT. On the great inequalities of Jupiter and Saturn, and on the next perihelion of the Comet of 1759, by PONTECOULANT. Tables of precession, aberration and nutation, for 65 stars, by LARGETEAU. Lighthouses and beacons on the coast of France in 1831.
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1839. On astronomical Refractions, by BIOT. On the influence of Atmospheric pressure upon the level of the Sea, by DAUSSY. Table of geogr. posit. on the coast of Epirus, by PEYTIER.
1840. On the Lunar theory, particularly the long-period inequalities, by PONTECOULANT. On the physical constitution of Halley's comet, by BESSEL.
1841. On the constitution of the Earth's atmosphere, the determination of altitudes by the barometor, and the calculation of refraction, by BIOT. On diversion of the Mariner's Compass, by iron, by POISSON. Appendix on the Lunar theory (1840) by PONTECOULANT.
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[The papers in this Vol. are those marked below with *].

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1769. Instructions relative to the transit of Venus, on the 3rd of June, 1769, by MASKELYNE.
1771. Tabulæ pro supputandis eclipsibus tertii satellitis Jovis, auct. WARGENTIN. Tables for facilitating the finding the Latitude at sea, by two observed altitudes, &c., with precepts.
1772. Method of clearing the Moon's apparent distance, by three tables, by MASKELYNE.* Addition to Mr. Dunthorn's solution (1767).*
1773. Table of the Equations to equal altitudes.* Catalogue of 387 fixed stars in right ascension, declination, longitude, and latitude, from the late Dr. BRADLEY's observations.*
1774. 1,220 longitudes and latitudes of the Moon, from Dr. Bradley's observations 1750-60, and elements of Lunar Tables. To find the error in position of a meridional telescope;* also calculation of the longitude from a lunar observation, by LYONS.* Remarks on Hadley's Quadrant, by MASKELYNE.*
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1828. Rules for computing an observed occultation—(*Dr. Young's method*).
1829. Method of finding the Latitude and Time at Sea, from the observations made for determining the Longitude, &c., by LAX. Table of Refractions, with corrections for the Barometer and Thermometer. Table of second differences. Places of sixty principal Stars, for 1829.
1831. Method of correcting the Lunar distance for the spheroidal figure of the Earth, by LAX.
1832. Corrections of the Sun's Long. and R. A. (N. A. 1830-32), by AIRY.
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1836. On Eclipses, by WOOLHOUSE.
1837. On the calculation of the perturbations of the small Planets, and the Comets of short period, by AIRY. On the determination of the Longitude, from an observed solar eclipse or occultation, by WOOLHOUSE.
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- | | | |
|-------------------|---------------------|------------------------------|
| I. 1820 | XV. 1830,31 | XXVIII. N.S. VIII. 1847 |
| II. 1820 | XVI. 1831,32 | XXIX. .. IX. 1847 |
| III. 1821 | XVII. 1832,33 | XXX. .. X. 1848 |
| IV. 1821,22 | XVIII. 1833,34 | XXXI. .. XI. 1849 |
| V. 1822 | XIX. 1834 | |
| VI. 1822 | XX. 1834,35 | The last eight vols. contain |
| VII. 1822,23 | XXI. N.S. I. 1836 | "Storia celeste del R. os- |
| VIII. Tables | XXII. II. 1836,37 | "servatorio di Palermo, |
| IX. 1827 | XXIII. III. 1838 | "1792—1813," with a |
| X. 1828 | XXIV. IV. 1845 | ninth volume to come. |
| XII. 1828,29 | XXV. V. 1846 | |
| XIII. 1829 | XXVI. VI. 1846 | XXXIII. N.S. XIII 1849 |
| XIV. 1829,30 | XXVII. VII. 1846 | |
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- *vide Lawson*.
- Villehuit (Bourdé de) Le Manœuvrier; ou essai sur les mouvements du navire, et des évolutions navales, 8° *Paris*, 1769.*
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- Method of investigating the sums of infinite series; and, on the fundamental property of the lever [Phil. Trans. 1791-4], 4°
- Confutation of Atheism, from the laws and constitution of the heavenly bodies, 8° *Cambridge*, 1807.

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- Visconti (Ferdinand) Del Sistema Metrico della cetta di Napoli, e della uniformità di pesi e delle misure, 8° *Naples*, 1838.
 ————— *vide Cacciatore, Piazzì.*
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- Volney (C. F.) Travels through Syria and Egypt in 1783-5, from the French, 2 vols., 8° 1788.*
 ————— The Ruins, or survey of the revolutions of empires, 8° [1792].*
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- Walker (George) On the doctrine of the Sphere, 4° 1777.*
- Walker (A.) System of familiar Philosophy, in lectures, 4° 1799.*
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- Ware (Samuel) Tracts on Vaults and Bridges; viz.—
- I. On the various forms of Vaults.
 - II. On the taking down and rebuilding London Bridge, and on the principles of arches, illustrated by extensive Tables.
 - III. Principles of pendent Bridges, with reference to the properties of the Catenary, applied to the Menai Bridge.
- 8° 1822.*
- Wargentin (Peter) *vide Nautical Almanac.*
- Warner (Sam.) *vide Hammond.*
- Warrington (R.) Chemical Tables, arranged for the student, 8° 1833.*
- Wartmann (L. F.) *vide Maps and Charts, post.*
- Washington—Astronomical Observations made at the Naval Observatory, 1838-42, by J. M. Gilliss. 8° Washington, 1846.
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[circa 1844].
- Waterton (C.) Letter to James Jameson, Esq., relative to Andubon; and second letter to same, 8° Wakefield, 1835.
- Watts (Isaac) Philosophical Essays on various subjects, with remarks on Mr. Locke's "Essay on the Human Understanding"; subjoined, a brief Scheme of Ontology, 8° 2nd edit, 1734; 4th edit. 1733.*
- Logic; or the right use of Reason in the enquiry after truth, 8° 1755.*
- Improvement of the Mind; or a supplement to the Art of Logic, containing rules for the attainment and communication of knowledge, 8°, 2nd edit. 1743*; 5th edit., 1768.*
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- Watson (R.) Chemical Essays, 5 vols., 8° 1789.*

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Wells (W. Cha.) Essay upon single vision with two eyes ; with other experiments and observations in Optics, 8° 1792.*

West (J.) Elements of Mathematics, *i.e.*, Geometry, Conic Sections, Mensuration and Spherics, 8° *Edinburgh*, 1784.*

Western (T. Geo.) Commentaries on the constitution and laws of England, incorporated with the political text of De Lolme, 8° 1838 ; 2nd edit., 1840.

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- Account of a surprizing Meteor seen March 6th, 1715, at night, 8° 1716.
- Theory of the Earth, wherein the creation of the world, the deluge, and the general conflagration, as in the Scriptures, are shewn to be agreeable to reason and philosophy, 8° 1722.*
- Astronomical principles of Religion, natural and revealed, 8° 1725.*
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- White (Gilbert) Natural history and antiquities of Selborne, 4° 1789.*
- Naturalist's Calendar; with observations in various branches of Natural History, 8° 1795.*
- White (Martin) On the winds, tides, and currents of the ocean, with other phenomena, 8° 1846.
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- Whiting (Thomas) Mathematical, geometrical and philosophical Delights, 4° 1792-7.*
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- Williams (Helen Maria) *vide Humboldt.*
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- Elements of Optics, 8° *ib.*, 1799.*
- Principles of Mechanics, 8° *ib.*, 1799.*
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- Woodhouse (Robert) Principles of analytical calculation, 4°
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- On plane and spherical Trigonometry, 8° 1809.*
- On isoperimetrical problems, and the calculus of variations, 8° *ib.*, 1810.*
- Elementary treatise on Astronomy : I. Plane ; II. Physical, 2 vols., 8° *ib.*, 1812-8.*
- Woodley (Captain) System of the universe ; with diagrams shewing the daily motion of the sun, moon, &c., round the Earth, 8° 1831.
vide Ephemerides.
- Woodward (John) Essay towards a natural history of the Earth, especially of minerals ; with an account of the universal deluge and its effects, 8° 1723.*
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- *vide Nautical Almanac, particularly for* 1835, 6, 7.
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- Worster (Benj.) Principles of Natural Philosophy, 8° 1730.*

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- Wright (G.) Description of a new Octant, Sextant, and Quintant, 8°
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founded upon the laws of nature, and solving by mathematical
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- Wright (J. M. F.) Solutions of the Cambridge Problems, 1800 to
1820, 2 vols., 8° 1825.*
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- Wronski (H.) *vide Longitude*.
- Wurtzelbaur—Account of Observations at Nuremburg as to the lati-
tude of the place and the obl. of ecliptic, shewing them to have
continued without sensible alteration for 200 years past, [read be-
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- Wyld (Samuel) Practical Surveyor, or the art of land-measuring, 8°
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- Wynne (John Huddleston) History of Ireland from the earliest
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- Yarrell (William) History of British Fishes, 2 vols., and supple-
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- Yarrow () *vide Riddle*.
- Yeates (T.) On the antiquity, origin, and design of the Pyramids,
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&c.; also on the form and measures of the Ark of Noah, 4° 1833.
- Yolland (W.) *vide Ordnance Survey*.
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York, 1838-43.
- Young (Robert) Essay on the powers and mechanism of Nature, 8°
1788.*
- Young (Thomas) Lectures on natural Philosophy and the mechanical
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- [Young, Thos.] Elementary illustrations of the celestial mechanics of
La Place (Book 1.) 8° 1821.
- *vide Arago, Horner, Naut. Almanac, South*.
- Young (J. R.) Treatise on Algebra, 8° 1823.*
- Young (Arthur) *vide Sharp*.
- Young (Alexander) *vide Bowdich*.
- Zach (F. de) Tabulæ motuum Solis novæ: accedit Fixarum præcipuarum
catalogus, ex obs. astronomicis, 1787-90, habitis, 4° *Gotha*, 1792.
- Tabulæ speciales aberrationis et nutationis ad supputandas
stellarum fixarum positiones; unâ cum insigniorum 494 stellarum
zodiacalium catalogo novo, in speculâ astronomicâ Ernestinâ,
constructo, cum aliis tabulis, 2 vols., 4° *Gotha*, 1806.
- [The Zod. Cat. actually contains 1,830 stars.]

Zach (F. L. de) Correspondance astronomique, géographique, hydrographique, et statistique, vols. 1-14, *Gênes*, 1818-26.

————— Observations de l'occultation d'Aldébaran, faites à Paris et en Angleterre. [Bibl. Univ. Dec. 1829.]

————— *vide Conn. des Temps, Knuth.*

Zieglerus (Jacobus) Sphæræ atque astrorum coelestium ratio, natura, et motus, 4° *1536.**

[In the same volume are, Proclus on the Sphere (Gr. Lat.); The Hemicyclium of Berosus (Lat.); and Aratus (Gr.) with the preface of Leontius.]

Zoological Society of London—Transactions, I, 4 parts; II, 5 parts; III, 6 parts, 4° *London*, 1835-48.

————— Proceedings, 1830-46, various numbers, 8°

————— Reports of the Council and Auditors; and list of the Fellows, 1847, 8, 8°

Zoologist—The Illustrated Monthly Magazine of Natural History, Nos. 1-6, 11, 13, 14, 15, 8° *1843-4.**

II. MAPS AND CHARTS.

[ASTRONOMICAL.]

Argelander (F.) Uranometria Nova: stellæ per mediam Europam solis oculis conspicuæ, secundum veras lucis magnitudines è cœlo ipso descriptæ, obl. fol., with a Catalogue, 8° *Berlin*, 1843.

Astronomical Remembrancer—Moveable concentric circles, shewing mean time corresponding to sidereal time.

[Baily (Fr.)] Map of the Pleiades, epoch 1822, 4°

Bayer (John) Uranometria: omnium Asterismorum continens schemata novâ methodo delineata, fol. *Ulmæ*, 1661.

————— Explicatio Characterum æneis uranometrias imaginum tabulis insculptorum, 4° *ib.*, 1697.

Beer (Gul.) & Mädler (J. H.) Mappa Selenographica, totam Lunæ hemisphæram visibilem complectens, observationibus propriis, secundum projectionem orthographicam, constructa, 4 sheets, *Berlin*, 1834.

Berliner Akademische Sternkarten.—Verzeichniss der von Bradley, Piazzzi, Lalande und Bessel, beobachteten Sterne, in dem Theile des Himmels, zwischen 15° Süd. bis 15° Nörd. Decl.:—

The Maps contain not only the stars included in the Catalogues, but all below the 10th mag. observed by the respective authors. Each map contains 1 hour of R.A. with an overlapping of 4m. each way. The scale $\frac{1}{2}$ inch to a degree, and the epoch 1800.

Berliner Astronomische Sternkarten, *continued*—

No.	Hour.	Author.	Date.	No.	Hour.	Author.	Date.
1.	O			15.	XIV.	T. J. Hussey,	1831
2.	I.			16.	XV.	Prof. Harding,	1830
3.	II.	J. J. Morstadt,	1835	17.	XVI.	Dr. Wolfers,	1843
4.	III.			18.	XVII.	C. Bremiker,	1840
5.	IV.	K. Knorre,	1835	19.	XVIII.	{ — Inghirami,* }	1831
6.	V.					{ — Capocci, }	
7.	VI.			20.	XIX.	Dr. Wolfers,	1840
8.	VII.	Sig. Fellocher,	1848	21.	XX.		
9.	VIII.	— Wolfers & Schwerd,	1833	22.	XXI.	C. Bremiker,	1845
10.	IX.			23.	XXII.	Fr. Argelander,	1832
11.	X.	Prof. Gobel,	1830	24.	XXIII.	Prof. Harding,	1834
12.	XI.						
13.	XII.	— Steinheil,	1834				
14.	XIII.	C. Bremiker,	1843				

* A separate copy of this author's Map, with method and materials of construction. Florence, 1829.

Bevis (John) "Uranographia Britannica": consisting of 51 maps of the constellations; with a frontispiece, fol. [1748.]

[*Unpublished, vide* Hutton in Phil. Trans., abr. VIII. 117]

Bishop (George) Ecliptic Chart, Hour I., with notes, [scale 1·2 inch to degree], *sheet*, 1848.

Bode (J. E.) Réprésentation des astres sur 34 planches, suivant l'Atlas céleste de "Flamseed," édit. de Paris, avec catalogue d'étoiles, [*vide* Flamsteed], 4° *Berlin & Stralsund*, 1782.

Bourjé (J. P.) General projection of the solar Eclipse, Sept. 7, 1820; and particular phases of ditto, for Middleburg, Amsterdam, Groningen, Göttingen, and Petersburg.

Bunt (T.G.) New Planetarium, for finding the true and apparent places of the Planets during the present century, (*card board*).

Dien (Ch.) Atlas des Phénomènes célestes, 9 *planches*, [reduction, as to Zod. Const., of Harding's atlas,] 4° *Paris*, 1841.

Flamsteed (John) Atlas Coelestis, fol. 1729***; another copy, with portrait, 1781.

— Atlas Céleste, réduit par Fortin, 4° *Paris*, 1776.*

Groombridge (S.) Distance between the Royal Observatory at Greenwich, and his Observatory at Blackheath, *lithog. half-sheet*.

Halley's Comet, appearance of, at 12 different dates, Oct. 2-25, 1835.

Harding (C. L.) Atlas novus Coelestis, xxvii tabulis continens stellas inter polum borealem et 30° Declin. australis, adhuc observatas, [scale $\frac{1}{2}$ inch to degree], *Göttingæ*, 1822.

— Another copy, *wanting 3 sheets*.

Heming (T.) Pair of Stereographic horizontal projections of the celestial Hemispheres, for Lat. $51\frac{1}{2}^{\circ}$, [*proofs, unpublished?*]. 1814.

Holland (J.) The Herschelian; or, Companion to the Telescope: series of projections of small zones. Part 1, (*all published*), fol. 1831.

Howard (Luke) Barometographia: twenty years' variation of the Barometer in the climate of Britain; in autographic curves, with the attendant winds and weather; & illustrative notes: atlas, 1847.

Jamieson (A.) Celestial Atlas; in a series of 30 Maps: accompanied by catalogues of the Stars, and astronomical exercises, 1822.**

Levy & Lewandowski—Dromographe planétaire—Calendrier pour 1849.

Lohrmann (W. G.) Topographie der Sichtbaren Mondoberfläche:
part 1, with 4 maps (*all published*), 4° *Dresden*, 1824.

Lubbock (J. W.) Six Maps of the Stars, according to the gnomonic
projection: [Soc. Diff. Usef. Knowledge]: 2 *feet square*, 1830.
Another copy (*coloured*). 1836.

Stars—Seven Chinese Maps.

Wartmann (L. F.) Carte Céleste, sur un plan nouveau, contenant les
positions pour 1850 de toutes les étoiles de première à sixième
grandeur, qui forment l'ensemble du ciel visible en Europe.

————— Carte Céleste muette, à l'usage des commençans.

————— Notice sur les deux Planisphères Célestes de grandes
dimensions, 8° *Genève*, 1835.

————— Cartes Célestes spéciales, avec explications en 8°, *i.e.*,

1. Marche de la Comète d'Encke dans son retour en 1828.

2, 3. Marche des Comètes d'Encke et de Biela en 1832.

4. Trajectoire des Comètes de Halley et d'Encke en 1835.

5. Trajectoire géocentrique de la Comète d'Encke en 1838.

ib., V. Y.

Wollaston (F.) Moveable Planisphere: [for positions of the principal
Stars with reference to the horizon], *card board*, 1829.

————— Plane projections for laying down portions of a Map,
[Flamsteed's projec.], 3 *sheets*.

Woollgar (J. W.) Skeleton projections of portions of the Sphere,
lithograph, with counter-impression.

1. One third of the Sphere, stereographic.

2. Quadrant of the Zodiacal Zone, by development.

[GEOGRAPHICAL.]

Arrowsmith (A.) General Atlas, 51 maps, 4° *Edinburgh*, 1817.*

Atlas Maritimus Novus, fol. 1723.*

Atlas of India, [from East India Comp. trig. survey—177 sheets, scale
4 miles to an inch].

The following 27 sheets have been presented by the Company:

—Nos. 42-44, 47-49, 58-61, 63, 65, 66, 69, 70, 76-78,
80, 81, 95, 124, 125, 129-31, 138; with 21 sheets of trian-
gulations, and Index Map.

Charts, comprising surveys chiefly made in the Indian Seas by the
Officers of the Hon. E. I. Comp.—*and presented by the Company*.

[A list of these is kept at the Library.]

Charts, constructed and presented by Capt. James Horsburgh:—

North Atlantic Ocean. Track Chart.

South Atlantic Ocean. Ditto.

Indian Ocean. Ditto.

Africa, South, Cape Good Hope, and Madagascar Seas.
2 *sheets*.

Arabian Sea.

Charts, constructed and presented by Capt. James Horsburgh :—

Hindoostan Coasts.

Bombay Harbour.

Goa River, and Murmogoia Road.

Maldiva Chain and Channels.

Eastern Peninsula of India and Islands.

Bengal Bay.

Malacca and Singapore Straits. *Single sheet.*

2 sheets.

Singapore Strait Entrance.

Rhio, Durian, and Singapore Straits.

Sumatra, Western Coast and Islands adjacent.

Sunda Strait.

Banca and Gaspar Straits.

Carimata Passage, or Strait of Billiton.

Coast of China, from Breaker's Point to Lamoch Islands.

Oie-hai-oie Harbour.

Ki-san-seu Harbour.

Gulf of Pe-tche-lee.

East Coast of China, and Western Coast of Formosa.

Killon Harbour, and Meropes Bay, Formosa.

Natuna Island.

Charts, presented by the Dépôt de la Marine de France :—

Pilote Français, 6 parties, [avec texte]. fol.

Exposé des Travaux relatifs à la reconnaissance hydrographique des Côtes Occidentales de France, 4°

Mémoire sur les Attérages des Côtes occidentales de France, 4°

Pilote du Brésil : avec texte, fol.

Texte seul. 8°

Description Nautique des Côtes de la Martinique. 8°

Atlas de la Martinique. fol.

Atlas Hydrographique, du voyage de la Vénus, autour du Monde. fol.

Atlas de l'Isle de Corse. fol.

1831.

A great number of single Charts, [of which a List is kept at the Library].

Boundary lines between the United States and the adjacent British Provinces : [lat. 44°-48°; long. 67°-75°].

Profile of the due North line from the monument at the source of the river St. Croix to the river St. John.

Massachusetts—Topographical and Geological Map of, 2 sheets, (mounted) [scale 2½ miles to inch].

Southern Moscos Islands, Tavoy Island, &c.—Puloleat, or Middle Island.

Carta topografica ed icnografica dei Contorni di Napoli: 9 sheets, [scale 2½ inches to mile].

Carta del Golfo di Napoli.

Map of the neighbourhood of Nola.

Pianta—citta e porto di Brindisi.

——— citta e porto di Trapani.

Apparat zur Messung der Bracker Basis, 1820. 2 plates. *Vide Schumacher*, (printed books).

Treschel (Prof.) Triangulation du Canton de Berne, 1811-18, *lithograph*.

Moreau (C.) State of the Trade of Great Britain with all parts of the World, from the year 1697 to 1823.

Pair of 18-inch Globes, by Malby, [Soc. Diff. Usef. Knowledge.] 1843

III. MANUSCRIPTS.

Adams (Chas. B.) Spots on the Sun, observed from 15th Aug. 1819 to 9th May, 1823: *series of drawings on skeleton diagrams*, fol.

Astronomical Society's Catalogue: the MS. copy, fol.; and original computations, 8 vols., 4°

Baily (F.) The Cavendish Experiments, [of which the results are in R.A.S. Memoirs, vol. 14;] 6 vols., fol.

Calcutta Observations—Transits of the Moon and certain Stars, Nov. 1826—Jan. 1828, by Major J. A. Hodgson and assistants, 2 vols., fol.

Crosley (John) Syllabus of the examination of schoolmasters, &c., at the Trinity House. *

Halley (Edmund) Observations made at the Royal Observatory at Greenwich, from April 1719, to Dec. 1739; [*copied from the originals now in the Library of the Royal Observatory, and presented to the Society by the Lords of the Admiralty*], fol. pp. 520, 1832.

Hawton—Course of Mathematics, fol. *

Hussey (T. J.) Meteorological Observations at Chiselhurst, Kent, during the years 1827-38.

——— [Calculations for the reduction of those stars of Lalande's *Histoire Céleste*, and Bessel's Zones, which come within the portion (Hour XIV.) contributed by the author to the series of Berlin star-maps], 2 vols., 4°

Keech (T.) Astronomical Tables, 2 vols., 1778, et ante*

Lawson (Henry) Register of the appearances on the Sun, from Aug. 1831, to Aug. 1832, 2 vols., 8°

Madras Observatory—Meteorological Journal for the years 1801, 03-12, 21-23, 26, fol.

——— Astronomical Observations made in the years 1793-1826, (*wanting* 1819, 20, 24, 25), fol.

Mathematical Solutions, by members of the Mathematical Society, 2 vols., fol. [circa 1828.]*

- [Middleton (Josh.) *Founder of the Mathematical Society*], Arithmetic, Algebra, and Navigation, fol. (*title wanting*), [*circa* 1709.]*
- Nasmyth (Jas.) Portion of the Moon's Surface, 190 by 160 miles, $\frac{1}{8}$ inch to a mile: model and drawing, 1844.
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- Solar Spots, Portfolio containing Diagrams of the.
- Standard Scales—Comparisons of various Standard Scales, with that of the Society, made by a committee in 1834-6: with a complete Index, by F. Baily, Esq., 4°, pp. 525.
- Tabulæ mediorum motuum omnium Planetarum; mediorum conjunctionum Solis et Lunæ, &c.; cum canonibus, super meridiem Oxoniæ ordinatæ. Tabulæ continentes verum locum Saturni, Jovis, Martis, Veneris, et Mercurii, in longitudine et latitudine, pro quodlibet tempore atque situ, in Oxoniâ constitutæ. Tabula longitudinis et latitudinis civitatum diversarum. Tabulæ magistri Johannis de Lineriis de quinque planetis retrogradis, et aliæ variæ Tabulæ Astronomicæ, ad meridianum civitatis Toleti, cum canonibus. 2 vols., fol. [*XIV Century, upon vellum, in the original wooden binding; formerly in the convent "de Babewell," near St. Edmund's Bury. Vide Mem. R.A.S. xv. 179.*]
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